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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,873	09/22/2003	Hideo Tamamura	03560.003356	4235
5514 7590 04/03/2007 FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA			EXAMINER	
			YUAN, DAH WEI D	
NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
			1745	·
		·		, <u> </u>
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		04/03/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
Off: A -4' O	10/664,873	TAMAMURA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Dah-Wei D. Yuan	1745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S). OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status _						
1) Responsive to communication(s) filed on 01 Fe	Responsive to communication(s) filed on 01 February 2007.					
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3) Since this application is in condition for allowan	/ 					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>8</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>8</u> is/are rejected.						
7) Claim(s) is/are objected to.	•					
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
_						
9) The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on <u>01 February 2007</u> is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.						
	•	•				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<u></u>	nriority under 25 U.S.C. \$ 110(a)	(d) or (f)				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 0.5.C. § 119(a)	-(d) or (i).				
· · ·	have been received					
<u> </u>	1. Certified copies of the priority documents have been received.					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
• •	* See the attached detailed Office action for a list of the certified copies not received.					
Coo the attached detailed office detail for a list of the certified copies not received.						
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Attachment(s)						
1) Motice of References Cited (PTO-892) 2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of Informal P					
Paper No(s)/Mail Date 6) Other:						

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Art Unit: 1745

FUEL CELL, FUEL SUPPLY APPARATUS THEREFOR, AND FUEL SUPPLY SYSTEM THEREFOR

Examiner: Yuan S.N. 10/664,873 Art Unit: 1745 March 27, 2007

Detailed Action

- 1. The Applicant's amendment filed on February 1, 2007 was received. The specification was amended. Claims 1-7,9-13 were cancelled. Claim 8 was amended.
- 2. The text of those sections of Title 35, U.S.C. code not included in this action can be found in the prior Office Action issued on November 1, 2006.

Claim Objections

3. The claim objections on claim 12 are withdrawn, because the claim has been cancelled.

Claim Rejections - 35 USC § 102

4. The claim rejections under 35 U.S.C. 102(e) as anticipated by Bullock et al. on claims 8-12 are withdrawn, because the independent claim 8 has been amended.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bullock et al. (US 6,713,201 B2) in view of Dunstan (US 2003/0096144 A1).

Bullock et al. teach a fuel cell system comprising a fuel cell stack (128) and a fuel supply apparatus (132), wherein the access to the fuel supply unit and the water-discharging unit is disposed at the same face of the fuel cell and the fuel supply apparatus comprising a fuel supply unit (142) and a water-suctioning unit (144) (vacuum). See Figure 3, Column 3, Line 45 to Column 4, Lines 34. However, Bullock et al. do not teach or suggest the water-suctioning unit includes an evaporator that provides heat to the suctioned water. Dunstan teaches a system to remove heat and water from a fuel cell-powered portable electronic device. The system comprises a water-absorbing material and a heat-generating device (16) that facilitates the evaporation of the water byproduct. See Paragraphs 19,25, Figures 1a-1c. Therefore, it would have been obvious to one of ordinary skill in the art to use a heat-generating device onto the fuel cell system of Bullock et al., because Dunstan teaches the use of such device to facilitate the evaporation of byproduct water collected in the system.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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final action.

MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dah-Wei D. Yuan March 27, 2007

> DAH-WEIYUAN PRIMARY EXAMINER